



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant: Sayre et al.

Entitled: METHOD OF MAKING MICROALGAL-BASED ANIMAL FOODSTUFF
SUPPLEMENTS, MICROALGAL-SUPPLEMENTED ANIMAL FOODSTUFFS
AND METHOD OF ANIMAL NUTRITION

Commissioner for Patents
Washington, D.C. 20231



CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8 (A)

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Sheri L. Burke
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Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.97-1.98

As authorized and encouraged under 37 CFR §§ 1.97-1.98 and the provisions of MPEP §§ 609 and 707.05 (b), Applicant(s) submits herewith certain patent references, publications and/or other information which the Patent and Trademark Office may wish to consider in examining the above-identified patent application. The references and information are listed below and on attached form PTO-1449.

6. PATWARDHAN, A. et al., Phage-Displayed Libraries for the Selection of Optimal Affinity Peptides for Protein Purification Using Ni-Nitrilotriacetic Acid Chromatography, *Biotech. Techniq.* 12: 421-424 (1998).
7. REGAN, L., Protein Design: Novel Metal-Binding Sites, *TIBS* 20: 280-285 (1995).
8. SILVER, S., Bacterial Resistance ATPases: Primary Pumps for Exporting Toxic Cations and Anions, *Trends. Biol. Sci.* 14: 76-80.
9. SOUSA, C. et al., Metalloadsorption by *Escherichia Coli* Cells Displaying Yeast and Mammalian Metallothioneins Anchored to the Outer Membrane Protein LamB, *J. Bact.* 180: 2280-2284 (1998).
10. TOHOYAMA, H. et al., Resistance to Cadmium is Under the Control of the CAD2 Gene in the Yeast *Saccharomyces Cerevisiae*, *Curr Genet.* 18: 181-185 (1990).
11. WAFFENSCHMIDT, S. et al., Isodityrosine Cross-Linking Mediates Insolubilization of Cell Walls in *Chlamydomonas*, *Plant Cell* 5: 809-820 (1993).
12. YOON, K. et al., Regulation of the *cadA* Cadmium Resistance Determinant of *Staphylococcus Aureus* Plasmid pI258, *J. Bacteriol.* 173: 7636-7649 (1991).
13. CAI, X. et al., Applications of Eukaryotic Algae for the Removal of Heavy Metals from Water, *Molecular Marine Biology and Biotechnology* 4: 338-344 (1995).
14. CAI, X. et al., Heavy Metal Binding Properties of Wild Type and Transgenic Algae (*Chlamydomonas* sp.), *New Developments in Marine Biotechnology*, 189-192 (1998).
15. CAI, X. et al., Growth and Heavy Metal Binding Properties of Transgenic *Chlamydomonas* Expressing a Foreign Metallothionein Gene, *Int. J. Phytoremediation* 1: 53-65 (1999).

A copy of each document is included for the express purpose of providing the Patent and Trademark Office with ample opportunity to evaluate the same and arrive at an independent assessment of the materiality of each, if any, to the examination of the above-identified application.

In reviewing the enclosed copies of the above documents, the Examiner is instructed to ignore any underscoring or highlighting which may have been done because such markings may or may not have any relationship to the subject matter of the above-identified application. The copies being submitted with this Information Disclosure Statement are the best copies available at this time.

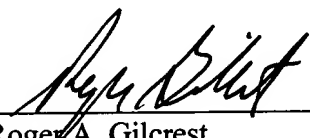
The identification of any document herein is not intended to be, and should not be understood as being, an admission that each such document, in fact, constitutes "prior art" within the meaning of applicable law.

Applicant(s) respectfully requests that the documents cited herein be made of record in the normal manner and that such documents appear on the printed patent as being considered and made of record.

Respectfully submitted,

Date: November 8, 2001

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U.S. PATENTS

U.S. PATENT NUMBER	INVENTOR(S)
5,686,125	Mueller

FOREIGN PATENT DOCUMENTS

COUNTRY	PATENT NO.	INVENTOR(S)
NONE		

OTHER DOCUMENTS

1. BROWN, S., Metal-Recognition by Repeating Polypeptides, Nature Biotechnology 15: 269-272 (1997).
2. HARFORD, C. et al., Amino Terminal Cu(II)- and Ni(II)-Binding (ACTCUN) Motif of Proteins and Peptides: Metal Binding, DNA Cleavage, and Other Properties, Acc. Chem. Res. 30: 123-130 (1997).
3. KOTRBA, P. et al., Enhanced Bioaccumulation of Heavy Metal Ions by Bacterial Cells Due to Surface Display of Short Metal Binding Peptides, Applied and Environmental Microbiology 65: 1092-1098 (1999).
4. NUCIFORA, G. et al., Cadmium Resistance from Staphylococcus Aureus Plasmid pI258 cadA Gene Results from a Cadmium-Efflux ATPase, Proc. Nat. Acad. Sci. 86: 3544-3548 (1989).
5. PATWARDHAN, A. et al., Selection of Optimum Affinity Tags from a Phage-Displayed Peptide Library: Application to Immobilized Copper(II) Affinity Chromatography, J. Chromat. 787: 91-100 (1997).